

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 11086923  
PUBLICATION DATE : 30-03-99

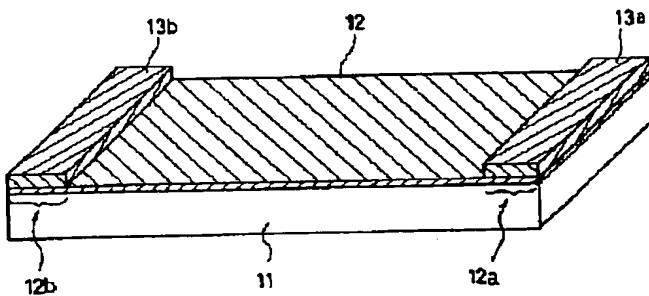
APPLICATION DATE : 12-09-97  
APPLICATION NUMBER : 09248846

APPLICANT : TOSHIBA CORP;

INVENTOR : KUDO YUKI;

INT.CL. : H01R 4/68 H01F 6/00

TITLE : CONNECTION DEVICE AND  
SUPERCONDUCTING MAGNET



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the thermal conductivity of a connection device connecting nonsuperconductor wiring to superconductor wiring, and increase the current capacity.

SOLUTION: A substrate 11, an oxide superconductor layer 12 which is installed on both sides of the substrate 11 and composed of, for example,  $Y_1Ba_2 Cu_3O_7.X$ , etc., and a first connecting terminal 13a and a second connecting terminal 13b arranged on a first region 12a and a second region 12b of the oxide superconductor layer 12 respectively, are provided. A superconductor layer 12 may be installed on both sides of the substrate 11. Using the constitution can reduce the heat invasion by the substrate 11 and increase the current capacity.

COPYRIGHT: (C)1999,JPO